

REMARKS

In the Office action mailed on December 24, 2003, several informalities were noted and correction was requested.

In response to the request for replacement drawings, new drawing sheets are attached, as requested following page 14 of this paper. In addition, as requested, a replacement Abstract is provided herewith on a separate sheet in compliance with 37 C.F.R. 1.72(b).

Applicant respectfully submits that new claims 15-26 are now in condition for allowance. The Examiner has rejected claims 1-14 as allegedly being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. In the present Amendment, claims 1-14 have been canceled without prejudice. New claims 15-26 are pending. No new matter has been added.

The Examiner has rejected claims 1 and 5 as allegedly being unpatentable over Furukuwa et al. Applicant's thank the Examiner for identifying allowable subject matter in claims 2-4 and 6-10. Applicant respectfully submits new claim 15 that includes features i3) and i4) which were previously presented in claims identified by the Examiner as describing allowable subject matter over Furukuwa. Additionally, step i1) in which the filtered data are resampled at a rate twice the symbol rate leads to not only to high accuracy, but also to an efficient extraction of the upper and lower band edge components. Accordingly, it is respectfully submitted that claim 15 is patentable over the art of record. New claims 16-24 depend from claim 15 and are allowable for at least the same reasons.

PATENT

Applicant believes that the application is now in condition for allowance, which is respectfully solicited.

Respectfully submitted,



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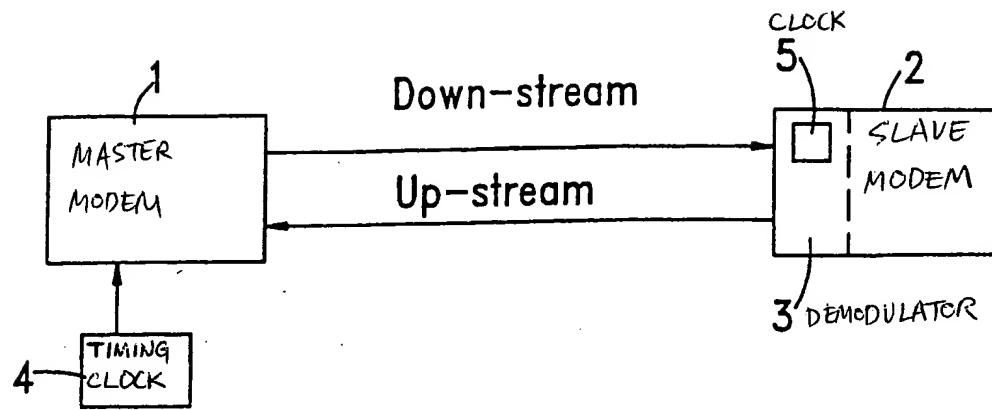


Fig. 1

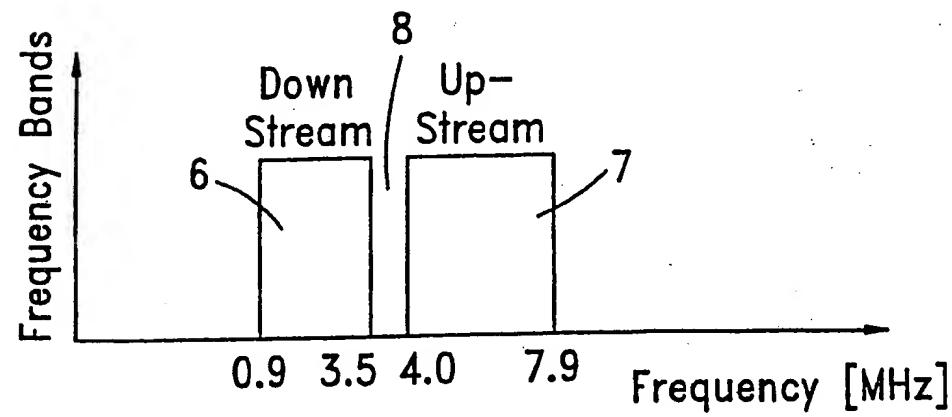


Fig. 2A



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Wire length=100m, Wire Diameter=0.35 to 0.6mm

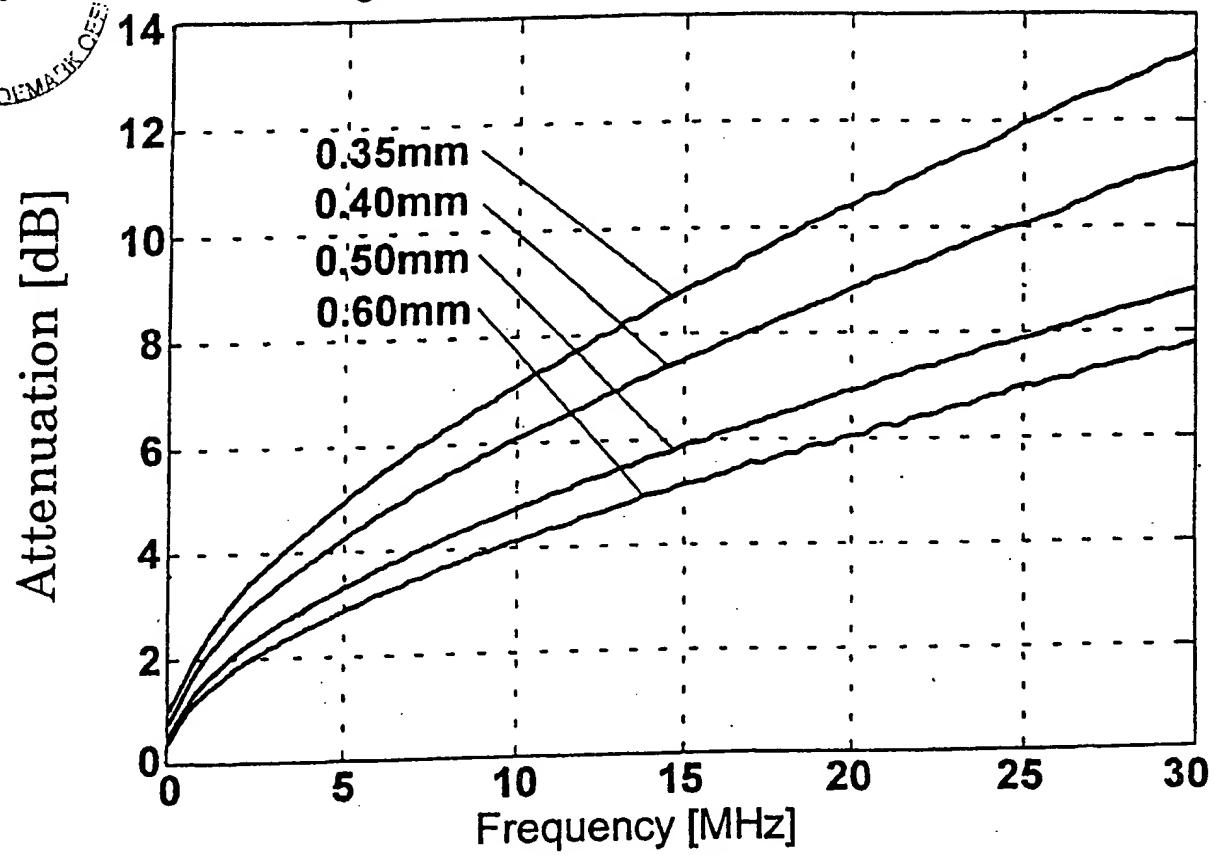


Fig. 2B

